

# DIRECTIONS

FOR THE PROPER USING

The Glas Apparatus to make Artificial Mineral Water, by impregnating it with fixed Air, &c. &c. &c.

SOLD BY WILLIAM PARKER AND SON,

At their GLASS MANUFACTORY, No. 69, FLEET-STREET.

**T**AKE the three Pieces apart from each other, and put as much Water in the bottom Vessel as will cover its lower Surface all over; fill the middle Vessel with spring or common Water, and put the top Vessel on it; when that is done, fill the small Phial with Oil of Vitriol, and pour it into the bottom Vessel; then take the tin Measure full of powdered Chalk or Marble, and put it into the bottom Vessel through the Glas Funnel; then immediately put on the other two Vessels. Let them all stand for about twelve Hours, and the Water will then be strongly impregnated, and fit for Use. It may not be improper to shake the whole Apparatus very gently, about once or twice in every Hour, which will help the Fermentation, and discharge more fixed Air than it otherwise would do.

These Waters are recommended by the most eminent Physicians, on Account of the very great Number of Cases in which they have been highly beneficial.

By adding eight or ten Drops of *Tinctura Martis cum Spiritu Salis* to each Pint of Water, after it is well impregnated with fixed Air, it will resemble the genuine Pyrmont Water. But to render it Chalybeate, add only one Grain of Salt of Steel to the same Quantity of this Water.

N. B. A great Variety of Glasses, ready made, for Philosophical and Chymical Experiments, may be had at the above Glas Manufactory.



The process of making the several sorts of

*Mineral waters*  
Take a small glass bottle or jar D but short and as wide as the neck of the middle Vessel of the Machine marked B will admit, to be let down by a Crooked piece of Iron wire let down by a thread made fast to the neck of Vial D the respective Substances belonging to each kind of Mineral water are to be put into the Vial D in proportion to the quantity of Water in the Vessel B and let down by the wire into said Vessel B the chalk and Vitriol Acid are put into the under Vessel A the whole is to be left to work by itself one night or 6 or 7 hours in the daytime by this method the water in the Vessel B will be fully impregnated by fixed air and prepared for use — Note —

If one ounce of Vitriol is not sufficient to impregnate the Water with fixed Air keep it at work 3 or perhaps 4 days — occasionally adding more Marble powder or Oil of Vitriol as find or think necessary

Sol Soda — 2 Drams each Marine Salt dissolved in a Gallon Water & filter & fully impregnated with fixed Air in the Machine This Seltzer Water by Careless Druggist Worcester

# DIRECTIONS

For making the AQUA MEPHITICA ALCALINA, or SOLUTION of VEGETABLE ALCALINE SALT, saturated with fixable Air, which has been lately discovered to be an efficacious Remedy in calculous Complaints, and other Disorders of the urinary Passages, attended with Stranguary\*.

**P**UT an Ounce (Troy Weight) of dry clean Salt of Tartar into a large Glas, China, or Stone-ware Vessel, and pour thereon nine Half-pints of Water. Rain Water, or Water that has been boiled, if it can be collected perfectly free from Impurity, is to be preferred; if it cannot be procured, good Spring-water may suffice: stir the Water well until the Whole of the Salt is dissolved; and then set it to stand in a quiet, cool Place, with a Cover on the Top, for twenty-four Hours. The clear Liquor should then be carefully poured off, or, which would be better, drawn off with a Syphon, from any indissoluble Sediment that may remain, and put into the middle Part of the Glas Machine, which will be nearly filled thereby.

A Stream of fixable Air must then be made to pass through it, as in the Directions for impregnating simple Water with fixable Air. When the Effervescence is over, and the fixed Air has ceased to rise, a fresh Quantity of Chalk, or Marble Dust (which last is preferable) should be added, till it will ferment no longer, and then the bottom Glas to be emptied and begin again as at first: the Liquor should be suffered to remain in the Machine, exposed to the fixable Air for sixty Hours; it will then be fit for Use, and what is immediately wanted may be taken. The Remainder, however, should be carefully drawn off into clean Bottles, (pint or half-pint Bottles are to be preferred) and immediately corked up closely and set in a cool Place, with the Mouths of the Bottles downwards, and immersed a few Inches deep in cold Water.

The above Remedy has been taken with great Advantage in calculous Complaints of the urinary Passages, and in habitual Stranguaries, from a Quarter of a Pint daily, to a Pint or more. If it should feel cold at the Stomach, about 10 Drops of *Tinctura Martis cum Spiritu Salis* may be added to each Dose, at the Time of taking, or a Teaspoonful of Tincture of ardamums, or of the compound Spirit of Lavender, may be taken immediately after it.

The Quantity generally taken, has been about four Ounces by Measure, or a quarter of a Pint thrice a Day, at about an Hour's Distance from the Time of taking Food; though, when used by Way of Prevention, Two-thirds of that Quantity may suffice.

When properly made, the Liquor should have a brisk, acidulous Taste, resembling Seltzer Water, and be totally free from any Alcaline Flavour whatsoever.

\*\* If the Alcaline Solution be not perfectly saturated with fixable Air, it is apt, not only to be disagreeable to the Taste and Stomach, but also to prove irritating to the Urinary Passages, which it scarcely ever is when properly prepared.

\* See Dr. Falconer's Appendix to the Second Edition of Dr. Dobson's Medical Commentary on fixed Air.

To make Seltzer Water as usual — To Six Pints Rain or common Water  
136 Grains — or 2 Drams 1/2 Scruple & 6 Grains Common Salt  
36 Grains — or 1/2 Scruple & 6 Grains Uncalcined Magnesia Alba  
30 Grains — or 1/2 Scruple Sal Soda  
6 Grains — Salt of Steel  
Add 30 Drops Tinctura Martis cum Spiritu Salis  
Impregnate well with Fixed Air —